



Subject:	42-0007-010 Microstepper Obsolescence
Release Date:	December 1, 2011
Systems Affected:	DSS-200 Series 2 Classic and CE, DSS-200 Synergy and Synergy Integra
Reference Components:	42-0007-010 DRIVER,MICROSTEP 12-8892-392 ASSY,DRIVER,MICROSTEP 12-8872-200 ASSY,DRIVER,MICRO STEP
Summary:	Information regarding the manufacturer obsolescence of the Microstepper used to control the Input Indexer, Brush Lifters, and Robot functions in the OnTrak System.

Background

The stepper motor controller (PN 42-0007-010) used to control the Input Indexer, Brush Lifters, and Unload Station functions discontinued by the manufacturer. A replacement controller (PN 42-0007-900) is available but is not a direct replacement. Upon initial replacement of the controller a kit will need to be ordered for the specific application being addressed. Each kit will contain all the components necessary to replace the controller including mounting brackets, mounting hardware, cables, the controller, and in some cases a new motor. A motor is required for the Input Indexer and Output Blade Lifter due to compatibility issues with the original motor and the required settings of the new controller.

The new controller has an automatic idle feature which will reduce current when the motor is not in use to increase the lifetime of motor and controller. The new controller no longer requires external resistors to set the power level for the motor.

The new controller is capable of being placed in any of the locations and used with any of the revisions of stepper motors that have been produced if the DIP switch and current settings are set properly. The proper settings are detailed in the individual installation instructions for each application.



Technical Memo #012.1

System Integration

A retrofit kit for each application of the controller is listed below. The quantities shown are to retrofit an entire system.

1x 26-8892-901 Input Cassette Indexer Retrofit: Contains a controller, motor and hardware.

4x 26-8800-904 Brush Lifter Retrofit: Contains controller and hardware.

2x 26-8872-905 Robot Gripper Finger and Wrist Retrofit: Contains controller and hardware.

1x 26-8872-903 Unload Blade Lifter Retrofit: Contains a controller, motor and hardware.

1x 26-8872-904 Unload Cassette Indexer Retrofit: Contains controller and hardware.



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Kit Bills of Material

26-8892-901 Input Cassette Indexer Retrofit

QTY	ITEM	DESCRIPTION
1	21-8892-900	Cable, Microstepper Interface
1	42-0007-900	DRIVER, MICRO STEP
1	12-8892-393-01	Input Index Motor, Upgrade
1	13-8885-903	Mounting Plate
2	85-020-02006	4-40x3/8 FHCS
2	85-000-06006	8-32x3/8 SHCS
2	86-010-05200	#8 split washer
2	86-000-05200	#8 lock washer
1	77-26-8892-901	Installation Procedure

26-8800-904 Brush Lifter Retrofit

QTY	ITEM	DESCRIPTION
1	21-8892-900	Cable, Microstepper Interface
1	42-0007-900	DRIVER, MICRO STEP
1	13-8885-903	Mounting Plate
2	85-020-06006	8-32x3/8 FHCS
2	85-000-06006	8-32x3/8 SHCS
2	86-010-05200	#8 split washer
2	86-000-05200	#8 lock washer
1	77-26-8800-904	Installation Procedure

26-8872-905 Robot Gripper Finger and Wrist Retrofit

QTY	ITEM	DESCRIPTION
1	21-8892-900	Cable, Microstepper Interface
1	42-0007-900	DRIVER, MICRO STEP
1	13-8885-904	Mounting Plate
2	85-010-06006	8-32x3/8 BHCS
2	85-000-06006	8-32x3/8 SHCS
2	86-010-05200	#8 split washer
2	86-000-05200	#8 lock washer
1	77-26-8872-905	Installation Procedure



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26-8872-903 Unload Blade Lifter Retrofit

QTY	ITEM	DESCRIPTION
1	21-8892-900	Cable, Microstepper Interface
1	42-0007-900	DRIVER, MICRO STEP
1	12-8872-900	Lifter Index Motor, Upgrade
1	13-8885-903	Mounting Plate
2	85-020-06006	8-32x3/8 FHCS
2	85-000-06006	8-32x3/8 SHCS
2	86-010-05200	#8 split washer
2	86-000-05200	#8 lock washer
1	77-26-8872-903	Installation Procedure

26-8872-904 Unload Cassette Indexer Retrofit

QTY	ITEM	DESCRIPTION
1	21-8892-900	Cable, Microstepper Interface
1	42-0007-900	DRIVER, MICRO STEP
1	13-8885-903	Mounting Plate
2	85-020-06006	8-32x3/8 FHCS
2	85-000-06006	8-32x3/8 SHCS
2	86-010-05200	#8 split washer
2	86-000-05200	#8 lock washer
1	77-26-8872-904	Installation Procedure